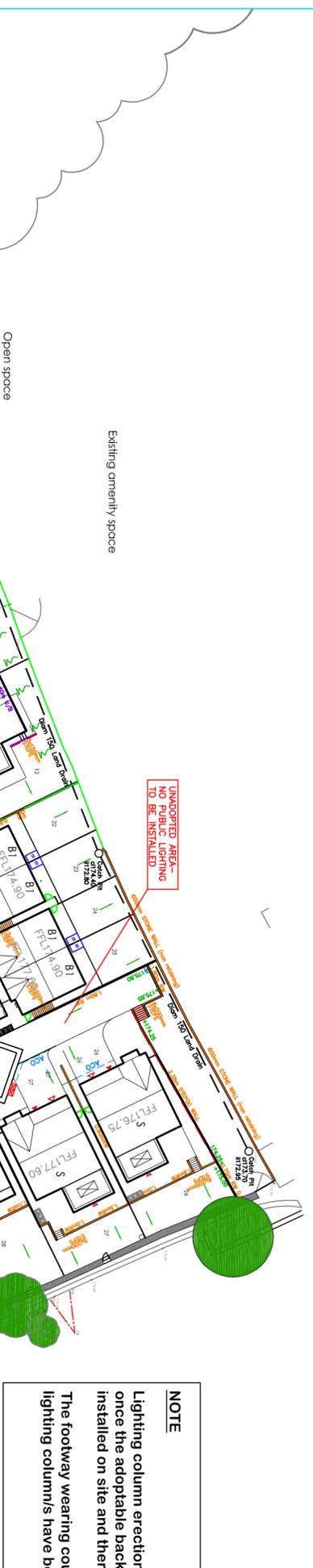


Quantity Symbol Type of Lighting Unit

- 2  Proposed 6 metre Steel column with Spigot Mounted LED6  
OrangeTek IGNS mini 20 MPH 4.0\_70\_203\_2168\_2 (13w) 2.17Klm lantern @ 5 degree tit
- 6  Proposed 6 metre Steel column with Spigot Mounted LED6  
OrangeTek IGNS mini 20 MPH 4.0\_70\_203\_2168\_2 (13w) 2.17Klm lantern

Grid 1  
Results – Horizontal Illuminance (lux)

Eav = 4.11  
Emin = 0.60  
Emin/Eav = 9.75  
Emin/Eav = 0.06  
Emin/Eav = 0.15  
Emin/Eav = 2.37



**NOTE**  
Lighting column erections should only be called off once the adoptable back edge (pin kerb) has been installed on site and there are levels to work to.  
The footway wearing course should not be laid until the lighting columns have been erected and serviced.



**NORTHERN**  
Ducting Requirements for connections to street lights (where required)  
Please refer to the ENATS 12:23 & 24 regulations for specific ducting requirements. Ducting must be installed at correct depths as per ENUG 7 requirements.

**Summary of Ducting Requirements**  
Please note that it is now mandatory for all electrical service ducting & most cabling to have 2.5mm thick Warning Tape installed above them to offer warning of the presence of the electrical cable below. Marker tape is no longer adequate.

**The tile type must be 150mm wide, cleanly cut and square with no sharp edges. The tile must be laminated with suitable identification complying with EN478 standard 12:23 and meet impact requirements of BS:2904. It should be installed 100mm above mains electric duct and 150mm above service mains cables.**

**The 7 pipe can be purchased from a number of manufacturers & building supply companies including Acecable. The keritage Code for rnkern is EDCERT 20.**

**The tile type MUST be keritage code ENUG 7 or ENUG 8.**

**Ducts should be installed as straight as possible, from corners and not in one length. In time for 'VE's visit. You will need to install one duct per service. Please ensure that draw cords are installed in the ducts and that the service duct meets the back of the footpath.**

**Electric service ducts UNDER FOOTPATHS**

**Must be black 38mm diameter, at a depth of 450mm below the final surface level. Duct must be of rigid type UPVC or HDPE, smooth walled with a smooth inner surface. They must be installed and stored away from the legend 'ELECTRIC CABLE DUCT'.**

**Electric service ducts UNDER ROADS**

**Must be black 38mm diameter, at a depth of 450mm below the final surface level. Duct must be of rigid type UPVC or HDPE, smooth walled with a smooth inner surface. They must be installed and stored away from the legend 'ELECTRIC CABLE DUCT'.**

**UNDER NO CIRCUMSTANCES MUST THE DUCT & TILE TAPE BE ENCASED IN CONCRETE**

Please seal electricity ducts after installation to prevent the ingress of water and dirt. Failure to do during please contact your Northern Powergrid Representative.

**Materials**  
You must provide your own electricity service duct, road crossing duct, warning tape and cables. The costs of these items have not been included in the price of your quotation. Services and labour costs are provided and included by Northern Powergrid.

**Please note that in the event of a Site Manager changeover, this document MUST be Developer's responsibility. Manager on site must be aware of all the Developer's responsibilities.**

**Should the new Site Manager wish to discuss these responsibilities, please contact your Northern Powergrid Representative or manager's meeting.**

REF.	DATE	REVISIONS
A.	Sept 2024	N3 reposition due to layout revision



Directorate of Place  
Civic Centre 3, Market Street  
Huddersfield, HD1 2TG

SECTION  
Street lighting

DRAWN	CHECKED	PROJECT NO.	DATE
JRD	Y/A	S38	Feb 2022

PROJECT  
Barnsley Road dev  
Denby Dale  
Yorkshire County Properties

TITLE
Proposed lighting BS5489-1:2020 Lighting class P5
DRAWING No. 6713
CAD No.